

More Simplifying Expressions

Tip

Use the distributive property to simplify parentheses before combining like terms.

Simplify the following expressions and match your answer with the appropriate letter. Use the code to find a fifteen letter word in which no letter is used twice and all five vowels are used.

1. $3(x + y) + 5(x + y) =$
2. $7(3x + 2y) - 2(x + 5y) =$
3. $-2(3x + 3y) + 5(2x + 5y) =$
4. $5(8x - 2y) - 5(2x + 3y) =$
5. $-(6x - 4y) - (3x - 5y) =$
6. $4(-5x + 6y) + 3(2x + 10y) =$
7. $6(-2x - y) - 4(x + y) =$
8. $8(4x - 5y) + 6(2x - y) =$
9. $9(-3x + 5y) - 7(x + 6y) =$
10. $10(2x - 2y) - 8(2x + 2y) =$
11. $-2(7x - 6y) + 3(2x + 5y) =$
12. $3(2x + y) - 2(x + y) + 3x =$
13. $4(x - 3y) + 2(3x - y) + y =$
14. $-3(3x + 2y) - 2(x + y) + x =$
15. $(3x + 2y) - (2x - 2y) + y =$

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|---|-------------|---|--------------|
| c | $4x + 19y$ | n | $x + 5y$ |
| y | $-9x + 9y$ | a | $30x - 25y$ |
| b | $-34x + 3y$ | e | $-14x + 54y$ |
| t | $-8x + 27y$ | i | $-10x - 8y$ |
| g | $8x + 8y$ | o | $4x - 36y$ |
| r | $7x + y$ | u | $44x - 46y$ |
| i | $10x - 13y$ | h | $-16x - 10y$ |
| p | $19x + 4y$ | | |

